RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/575,361
Source: IFW
Date Processed by STIC: 4/25/06

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/575,361 CRF Edit Date: 4/25/06
Edited by: JV

___ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

___ Corrected the SEQ ID NO. Sequence numbers edited were:

_____

___ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

_____

/ Deleted: ___ invalid beginning/end-of-file text ; ___ page numbers

___ Inserted mandatory headings/numeric identifiers, specifically:

_____

___ Moved responses to same line as heading/numeric identifier, specifically:

_____

___ Other:

_____
_____
_____

Revised 09/09/2003

IFWP

RAW SEQUENCE LISTING DATE: 04/25/2006
PATENT APPLICATION: **US/10/575,361** TIME: 16:02:06

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF4\04252006\J575361.raw**

3 <110> APPLICANT: Bayer HealthCare AG
5 <120> TITLE OF INVENTION: Diagnostics and Therapeutics for Diseases Associated with
6 Aminopeptidase-Like 1 (NPEPL1)
8 <130> FILE REFERENCE: BHC 03 01 006
C--> 10 **<140> CURRENT APPLICATION NUMBER: US/10/575,361**
C--> 10 **<141> CURRENT FILING DATE: 2006-04-11**
10 <160> NUMBER OF SEQ ID NOS: 5
12 <170> SOFTWARE: PatentIn version 3.1
14 <210> SEQ ID NO: 1
15 <211> LENGTH: 1691
16 <212> TYPE: DNA
17 <213> ORGANISM: Homo sapiens
19 <400> SEQUENCE: 1
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21 caggcgagcg cgggggactc ggacccacag agccggcccc tgctgctgct cgggcagctg 120
22 caccacctgc accgcgtgcc ctggagccac gtccgcggga agctgcagcc ccgggtcacc 180
23 gaggagctct ggcaggctgc cctgagcacg ctcaacccca accccacgga cagctgtccc 240
24 ctctacctaa ctacgccacc gtggctgccc tgccctgcag ggtgagccgg cacaacagcc 300
25 cctcggccgc ccacttcatc acgcggctgg tgcggacctg cctgccgccc ggagcgcatc 360
26 gctgcattgt gatggtctgc gagcagccag aggtctttgc ttccgcctgt gccctggccc 420
27 gggccttccc gctgttcacc caccgctcag gtgcctctcg gcgcttggag aagaagacgg 480
28 tcaccgtgga gtttttcctg gtgggacaag acaacgggcc ggtggaggtg tccacattgc 540
29 agtgcttagc gaatgccaca gacggcgtgc ggctagcagc ccgcatcgtg gacacaccct 600
30 gcaatgagat gaacaccgac accttcctcg aggagattaa caaagctgga aaggagctgg 660
31 ggatcatccc aaccatcatc cgggatgagg aactgaagac gagaggattt ggaggaatct 720
32 atggggttgg caaagccgcc ctgcatcccc cagccctggc cgtcctcagc cacaccccag 780
33 atggagccac gcagaccatc gcctgggtgg gcaaaggcat cgtctatgac actggaggcc 840
34 tcagcatcaa agggaagact accatgccgg ggatgaagcg agactgcggg ggtgctgcgg 900
35 ccgtcctggg ggccttcaga gccgcaatca agcagggttt caaagacaac ctccacgctg 960
36 tgttctgctt ggctgagaac tcggtggggc ccaatgcgac agggccagat gacatccacc 1020
37 tgctgtactc agggaagacg gtggaaatca acaacacgga tgccgagggc aggctggtgc 1080
38 tggcagatgg cgtgtcctat gcttgcaagg acctgggggc cgacatcatc ctggacatgg 1140
39 ccaccctgac cggggctcag ggcattgcca cagggaagta ccacgccgcg gtgctcacca 1200
40 acagcgctga gtgggaggcc gcctgtgtga aggcgggcag gaagtgtggg gacctggtgc 1260
41 acccgctggt ctactgcccc gagctgcact tcagcgagtt cacctcagct gtggcggaca 1320
42 tgaagaactc agtggcggac cgagacaaca gccccagctc ctgtgctggc ctcttcatcg 1380
43 cctcacacat cggcttcgac tggcccggag tctgggtcca cctggacatt gctgcaccgg 1440
44 tgcatgctgg tgagcgagcc acaggcttcg gtgtggccct cctgctggcg ctcttcggcc 1500
45 gtgcctctga ggaccctctg ctgaacctgg tgtccccact gggctgtgag gtggatgtcg 1560
46 aggaggggga cctggggagg gactccaaga gacgcaggct tgtgtgagcc tcctgcctcg 1620
47 gccctgacaa acggggatct tttacctcac tttgcactga ttaattttaa gcaattgaaa 1680
48 gattgccctt c 1691
50 <210> SEQ ID NO: 2

RAW SEQUENCE LISTING DATE: 04/25/2006
PATENT APPLICATION: **US/10/575,361** TIME: 16:02:06

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF4\04252006\J575361.raw**

<211> LENGTH: 411
<212> TYPE: PRT
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 2

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Arg	Ala	Phe	Pro	Leu	Phe	Thr	His	Arg	Ser	Gly	Ala	Ser	Arg	Arg	Leu
		20					25					30			
Glu	Lys	Lys	Thr	Val	Thr	Val	Glu	Phe	Phe	Leu	Val	Gly	Gln	Asp	Asn
	35					40					45				
Gly	Pro	Val	Glu	Val	Ser	Thr	Leu	Gln	Cys	Leu	Ala	Asn	Ala	Thr	Asp
50					55					60					
Gly	Val	Arg	Leu	Ala	Ala	Arg	Ile	Val	Asp	Thr	Pro	Cys	Asn	Glu	Met
65				70					75						80
Asn	Thr	Asp	Thr	Phe	Leu	Glu	Glu	Ile	Asn	Lys	Val	Gly	Lys	Glu	Leu
			85					90					95		
Gly	Ile	Ile	Pro	Thr	Ile	Ile	Arg	Asp	Glu	Glu	Leu	Lys	Thr	Arg	Gly
		100					105					110			
Phe	Gly	Gly	Ile	Tyr	Gly	Val	Gly	Lys	Ala	Ala	Leu	His	Pro	Pro	Ala
	115					120					125				
Leu	Ala	Val	Leu	Ser	His	Thr	Pro	Asp	Gly	Ala	Thr	Gln	Thr	Ile	Ala
130					135					140					
Trp	Val	Gly	Lys	Gly	Ile	Val	Tyr	Asp	Thr	Gly	Gly	Leu	Ser	Ile	Lys
145				150					155						160
Gly	Lys	Thr	Thr	Met	Pro	Gly	Met	Lys	Arg	Asp	Cys	Gly	Gly	Ala	Ala
			165					170					175		
Ala	Val	Leu	Gly	Ala	Phe	Arg	Ala	Ala	Ile	Lys	Gln	Gly	Phe	Lys	Asp
		180					185					190			
Asn	Leu	His	Ala	Val	Phe	Cys	Leu	Ala	Glu	Asn	Ser	Val	Gly	Pro	Asn
	195					200					205				
Ala	Thr	Arg	Pro	Asp	Asp	Ile	His	Leu	Leu	Tyr	Ser	Gly	Lys	Thr	Val
210					215					220					
Glu	Ile	Asn	Asn	Thr	Asp	Ala	Glu	Gly	Arg	Leu	Val	Leu	Ala	Asp	Gly
225				230					235						240
Val	Ser	Tyr	Ala	Cys	Lys	Asp	Leu	Gly	Ala	Asp	Ile	Ile	Leu	Asp	Met
			245					250					255		
Ala	Thr	Leu	Thr	Gly	Ala	Gln	Gly	Ile	Ala	Thr	Gly	Lys	Tyr	His	Ala
		260					265					270			
Ala	Val	Leu	Thr	Asn	Ser	Ala	Glu	Trp	Glu	Ala	Ala	Cys	Val	Lys	Ala
	275					280					285				
Gly	Arg	Lys	Cys	Gly	Asp	Leu	Val	His	Pro	Leu	Val	Tyr	Cys	Pro	Glu
290					295					300					
Leu	His	Phe	Ser	Glu	Phe	Thr	Ser	Ala	Val	Ala	Asp	Met	Lys	Asn	Ser
305				310					315						320
Val	Ala	Asp	Arg	Asp	Asn	Ser	Pro	Ser	Ser	Cys	Ala	Gly	Leu	Phe	Ile
			325					330					335		
Ala	Ser	His	Ile	Gly	Phe	Asp	Trp	Pro	Gly	Val	Trp	Val	His	Leu	Asp
		340					345					350			
Ile	Ala	Ala	Pro	Val	His	Ala	Gly	Glu	Arg	Ala	Thr	Gly	Phe	Gly	Val

RAW SEQUENCE LISTING DATE: 04/25/2006
PATENT APPLICATION: US/10/575,361 TIME: 16:02:06

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\04252006\J575361.raw

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101         355                 360                 365
102 Ala Leu Leu Leu Ala Leu Phe Gly Arg Ala Ser Glu Asp Pro Leu Leu
103     370                 375                 380
104 Asn Leu Val Ser Pro Leu Gly Cys Glu Val Asp Val Glu Glu Gly Asp
105 385                 390                 395                 400
106 Leu Gly Arg Asp Ser Lys Arg Arg Arg Leu Val
107                 405                 410
109 <210> SEQ ID NO: 3
110 <211> LENGTH: 21
111 <212> TYPE: DNA
112 <213> ORGANISM: artificial sequence
114 <220> FEATURE:
115 <223> OTHER INFORMATION: forward primer
117 <400> SEQUENCE: 3
118 ttttcctggt gggacaagac a                                          21
120 <210> SEQ ID NO: 4
121 <211> LENGTH: 21
122 <212> TYPE: DNA
123 <213> ORGANISM: artificial sequence
125 <220> FEATURE:
126 <223> OTHER INFORMATION: reverse primer
128 <400> SEQUENCE: 4
129 cattcgctaa gcactgcaat g                                          21
132 <210> SEQ ID NO: 5
133 <211> LENGTH: 18
134 <212> TYPE: DNA
135 <213> ORGANISM: artificial sequence
137 <220> FEATURE:
138 <223> OTHER INFORMATION: probe
140 <400> SEQUENCE: 5
141 cgggccggtg gaggtgtc                                             18
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VERIFICATION SUMMARY DATE: 04/25/2006
PATENT APPLICATION: **US/10/575,361** TIME: 16:02:07

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF4\04252006\J575361.raw**

L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

Raw Sequence Listing before editing (for reference only)

IFWP

RAW SEQUENCE LISTING DATE: 04/24/2006
PATENT APPLICATION: **US/10/575,361** TIME: 16:23:02

Input Set : **A:\PTO.KD.txt**
Output Set: **N:\CRF4\04242006\J575361.raw**

3 <110> APPLICANT: Bayer HealthCare AG
5 <120> TITLE OF INVENTION: Diagnostics and Therapeutics for Diseases Associated with Aminopeptidase-
6 Like 1 (NPEPL1)
8 <130> FILE REFERENCE: BHC 03 01 006
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/575,361
C--> 10 <141> CURRENT FILING DATE: 2006-04-11
10 <160> NUMBER OF SEQ ID NOS: 5
12 <170> SOFTWARE: PatentIn version 3.1

Does Not Comply
Corrected Diskette Needed

ERRORED SEQUENCES

132 <210> SEQ ID NO: 5
133 <211> LENGTH: 18
134 <212> TYPE: DNA
135 <213> ORGANISM: artificial sequence
137 <220> FEATURE:
138 <223> OTHER INFORMATION: probe
140 <400> SEQUENCE: 5
141 cgggccggtg gaggtgtc 18
E--> 143 BHC 03 1 006-Foreign Countries
W--> 145 - 4 -
E--> 148 BHC 03 1 006-Foreign Countries
W--> 150 - 1 -

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 04/24/2006
PATENT APPLICATION: US/10/575,361 TIME: 16:23:04

Input Set : A:\PTO.KD.txt
Output Set: N:\CRF4\04242006\J575361.raw

Invalid Line Length:
The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 5

VERIFICATION SUMMARY DATE: 04/24/2006
PATENT APPLICATION: **US/10/575,361** TIME: 16:23:04

Input Set : **A:\PTO.KD.txt**
Output Set: **N:\CRF4\04242006\J575361.raw**

L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:143 M:334 E: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:5
L:145 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5
L:148 M:334 E: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:5
L:150 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5